

FIG. 1

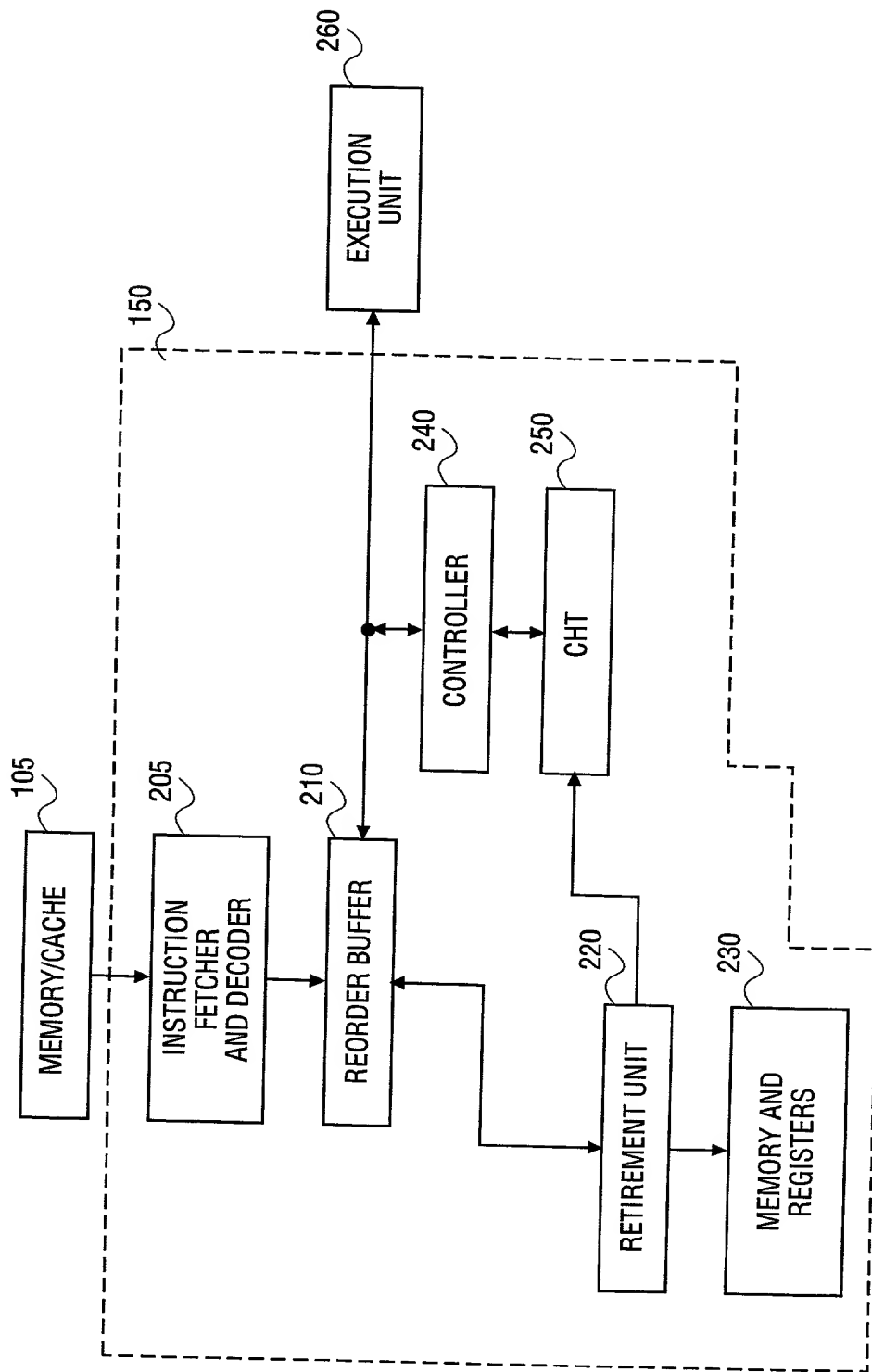


FIG. 2

310

LIP TAG	PREDICTOR

FULL CHT

FIG. 3

LIP TAG

IMPLICIT-PRED CHT

400

FIG. 4

PREDICTOR

TAGLESS CHT

FIG. 5

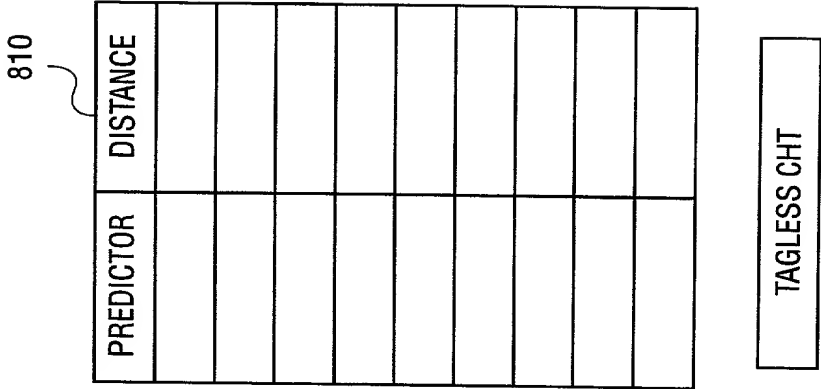


FIG. 8

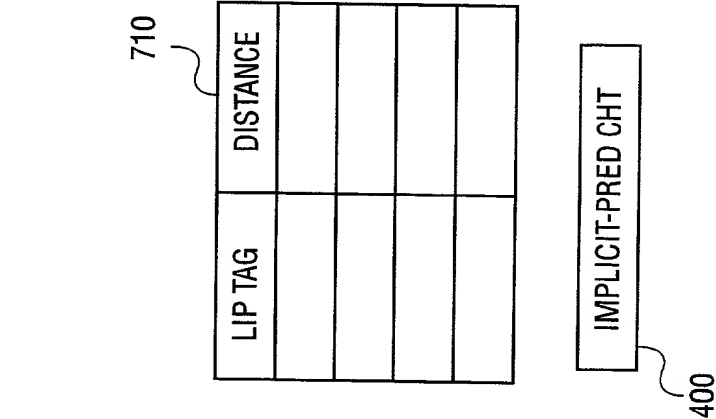
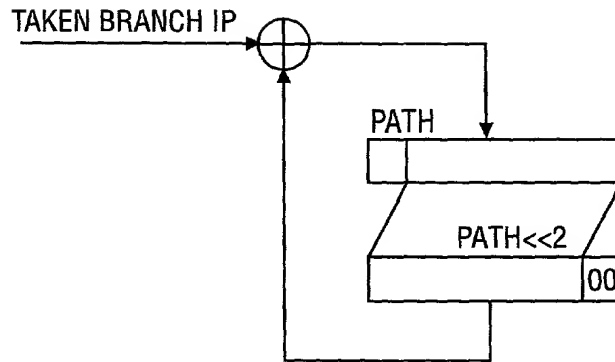


FIG. 7

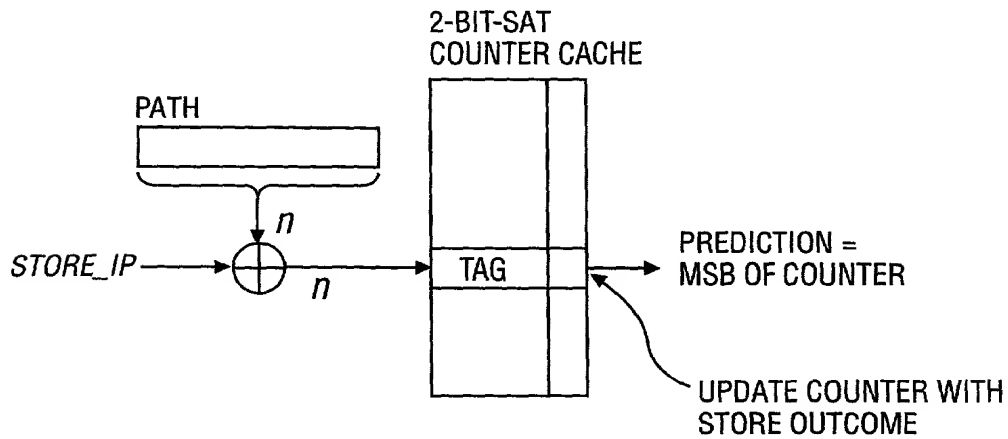


FIG. 6



PATH UPDATE. $\text{NEW_PATH} = (\text{OLD_PATH} \ll 2) \text{ XOR } \text{TAKEN_BRANCH_IP}$

FIG. 9



PREDICTOR INDEXING: $\text{INDEX} = \text{STORE_IP} \text{ XOR } \text{PATH}$

FIG. 10

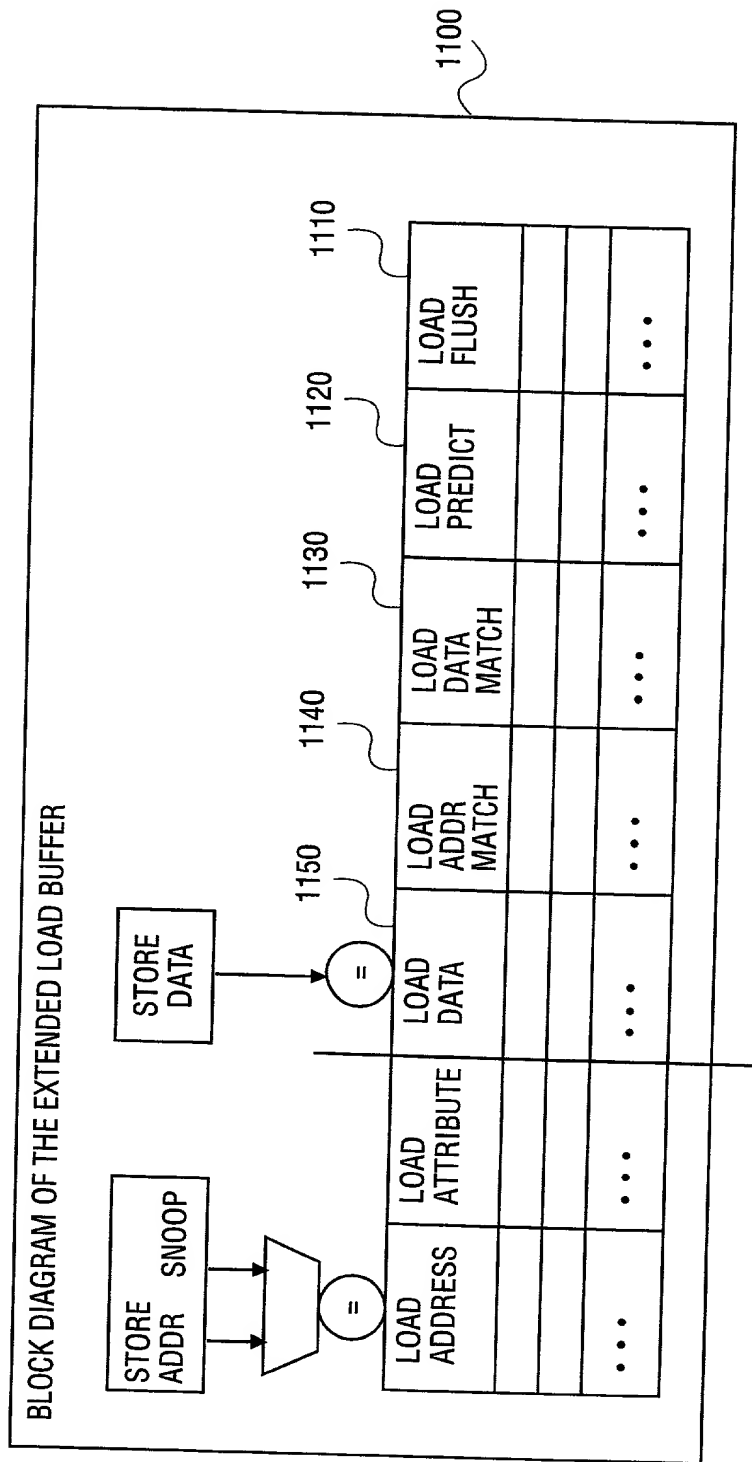


FIG. 11

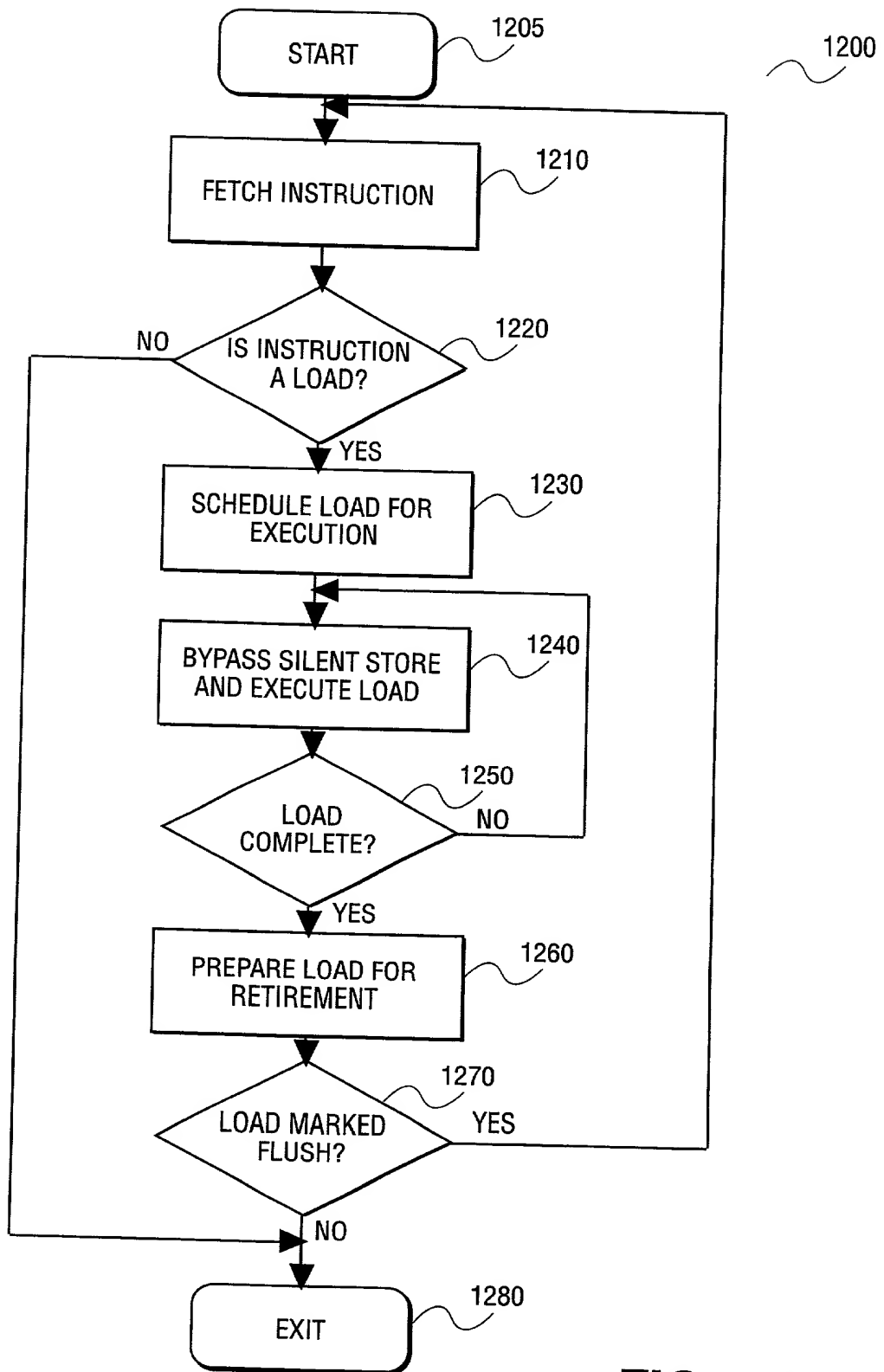


FIG. 12

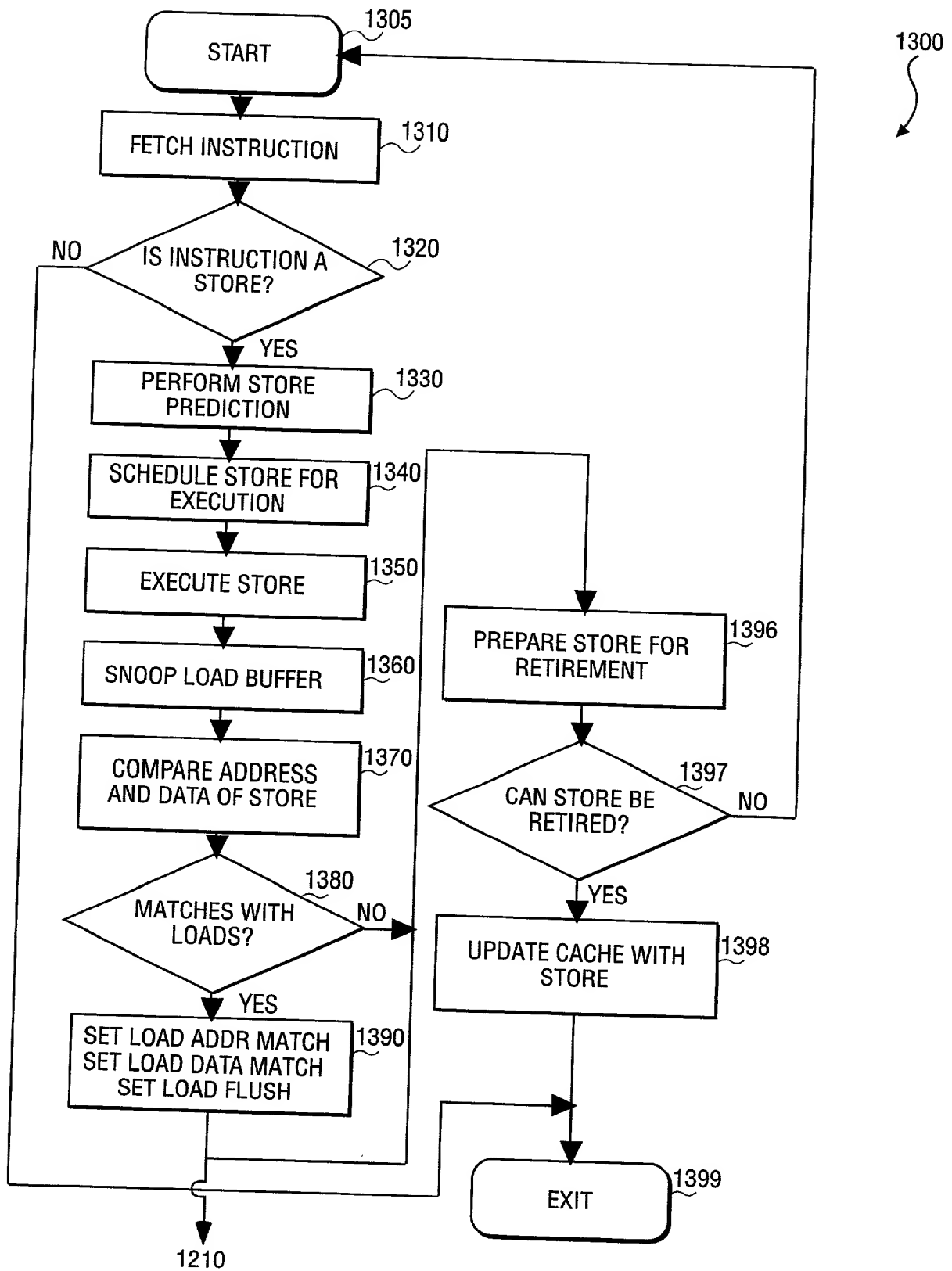


FIG. 13